

Lale Umutlu

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

2,310
citations

186265

28
h-index

276875

41
g-index

101
all docs

101
docs citations

101
times ranked

2336
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of nodal staging between CT, MRI, and [18F]-FDG PET/MRI in patients with newly diagnosed breast cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 992-1001.	6.4	32
2	Pitfalls and Common Findings in ⁶⁸ Ga-FAPI PET: A Pictorial Analysis. <i>Journal of Nuclear Medicine</i> , 2022, 63, 890-896.	5.0	61
3	An uncertainty-aware, shareable, and transparent neural network architecture for brain-age modeling. <i>Science Advances</i> , 2022, 8, eabg9471.	10.3	13
4	Evaluation of improved CT-based hardware attenuation correction in PET/MRI: Application to a 16-channel RF breast coil. <i>Medical Physics</i> , 2022, 49, 2279-2294.	3.0	2
5	Metabolic imaging with FDG-PET and time to progression in patients discontinuing immune-checkpoint inhibition for metastatic melanoma. <i>Cancer Imaging</i> , 2022, 22, 11.	2.8	2
6	Free-breathing 3D Stack of Stars GRE (StarVIBE) sequence for detecting pulmonary nodules in 18F-FDG PET/MRI. <i>EJNMMI Physics</i> , 2022, 9, 11.	2.7	2
7	A Role of PET/MR in Breast Cancer?. <i>Seminars in Nuclear Medicine</i> , 2022, 52, 611-618.	4.6	10
8	Pediatric age estimation from radiographs of the knee using deep learning. <i>European Radiology</i> , 2022, 32, 4813-4822.	4.5	4
9	Multiparametric 18F-FDG PET/MRI-Based Radiomics for Prediction of Pathological Complete Response to Neoadjuvant Chemotherapy in Breast Cancer. <i>Cancers</i> , 2022, 14, 1727.	3.7	20
10	Effects of Anti-Tumor Necrosis Factor Therapy on Osteoblastic Activity at Sites of Inflammatory and Structural Lesions in Radiographic Axial Spondyloarthritis: A Prospective Proof-of-Concept Study Using Positron Emission Tomography/Magnetic Resonance Imaging of the Sacroiliac Joints and Spine. <i>Arthritis and Rheumatology</i> , 2022, 74, 1497-1505.	5.6	6
11	Safety and Efficacy of ⁹⁰ Y-FAPI-46 Radioligand Therapy in Patients with Advanced Sarcoma and Other Cancer Entities. <i>Clinical Cancer Research</i> , 2022, 28, 4346-4353.	7.0	45
12	Evaluation of ¹⁸ F-FDG PET and DWI Datasets for Predicting Therapy Response of Soft-Tissue Sarcomas Under Neoadjuvant Isolated Limb Perfusion. <i>Journal of Nuclear Medicine</i> , 2021, 62, 348-353.	5.0	9
13	Correlation of the apparent diffusion coefficient (ADC) and standardized uptake values (SUV) with overall survival in patients with primary non-small cell lung cancer (NSCLC) using 18F-FDG PET/MRI. <i>European Journal of Radiology</i> , 2021, 134, 109422.	2.6	4
14	Abdominal and pelvic 18F-FDG PET/MR: a review of current and emerging oncologic applications. <i>Abdominal Radiology</i> , 2021, 46, 1236-1248.	2.1	6
15	⁶⁸ Ga-PSMA-11 PET/CT Improves Tumor Detection and Impacts Management in Patients with Hepatocellular Carcinoma. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1235-1241.	5.0	39
16	Evaluation of 18F-FDG PET/CT images acquired with a reduced scan time duration in lymphoma patients using the digital biograph vision. <i>BMC Cancer</i> , 2021, 21, 62.	2.6	16
17	Machine learning-based differentiation between multiple sclerosis and glioma WHO II-IV using O-(2-[18F] fluoroethyl)-L-tyrosine positron emission tomography. <i>Journal of Neuro-Oncology</i> , 2021, 152, 325-332.	2.9	11
18	An international expert opinion statement on the utility of PET/MR for imaging of skeletal metastases. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1522-1537.	6.4	6

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19	Impact of EBUS-TBNA in addition to [18F]FDG-PET/CT imaging on target volume definition for radiochemotherapy in stage III NSCLC. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2894-2903.	6.4	11
20	Magnetic resonance imaging and ultrasound for prediction of residual tumor size in early breast cancer within the ADAPT subtrials. <i>Breast Cancer Research</i> , 2021, 23, 36.	5.0	7
21	Predictive Factors for RAI-Refractory Disease and Short Overall Survival in PDTC. <i>Cancers</i> , 2021, 13, 1728.	3.7	7
22	Prospective comparison of the diagnostic accuracy of 18F-FDG PET/MRI, MRI, CT, and bone scintigraphy for the detection of bone metastases in the initial staging of primary breast cancer patients. <i>European Radiology</i> , 2021, 31, 8714-8724.	4.5	43
23	Preoperative chest computed tomography evaluation for predicting intraoperative lung resection strongly depends on interpreters experience. <i>Lung Cancer</i> , 2021, 154, 23-28.	2.0	4
24	Correlation between contrast enhancement, standardized uptake value (SUV), and diffusion restriction (ADC) with tumor grading in patients with therapy-naive neuroendocrine neoplasms using hybrid 68Ga-DOTATOC PET/MRI. <i>European Journal of Radiology</i> , 2021, 137, 109588.	2.6	5
25	Prognostic Value of Postinduction Chemotherapy Volumetric PET/CT Parameters for Stage IIIA or IIIB Nonâ€“Small Cell Lung Cancer Patients Receiving Definitive Chemoradiotherapy. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1684-1691.	5.0	5
26	Detecting the pulmonary trunk in CT scout views using deep learning. <i>Scientific Reports</i> , 2021, 11, 10215.	3.3	4
27	Automatic Scan Range Delimitation in Chest CT Using Deep Learning. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e200211.	5.8	11
28	Leptomeningeal disease from melanomaâ€“Poor prognosis despite new therapeutic modalities. <i>European Journal of Cancer</i> , 2021, 148, 395-404.	2.8	16
29	Predictive impact of the inflammation-based indices in uveal melanoma liver metastases treated with transarterial hepatic chemoperfusion. <i>Radiology and Oncology</i> , 2021, 55, 347-353.	1.7	5
30	Evaluation of the Predictive Potential of 18F-FDG PET and DWI Data Sets for Relevant Prognostic Parameters of Primary Soft-Tissue Sarcomas. <i>Cancers</i> , 2021, 13, 2753.	3.7	7
31	Comparison of pre- and post-contrast-enhanced attenuation correction using a CAIPI-accelerated T1-weighted Dixon 3D-VIBE sequence in 68Ga-DOTATOC PET/MRI. <i>European Journal of Radiology</i> , 2021, 139, 109691.	2.6	4
32	Multiparametric Integrated 18F-FDG PET/MRI-Based Radiomics for Breast Cancer Phenotyping and Tumor Decoding. <i>Cancers</i> , 2021, 13, 2928.	3.7	34
33	N-staging in large cell neuroendocrine carcinoma of the lung: diagnostic value of [18F]FDG PET/CT compared to the histopathology reference standard. <i>EJNMMI Research</i> , 2021, 11, 68.	2.5	2
34	Patterns of nodal spread in stage III NSCLC: importance of EBUS-TBNA and 18F-FDG PET/CT for radiotherapy target volume definition. <i>Radiation Oncology</i> , 2021, 16, 176.	2.7	6
35	Evaluation of the Diagnostic Performance of Positron Emission Tomography/Magnetic Resonance for the Diagnosis of Liver Metastases. <i>Investigative Radiology</i> , 2021, 56, 621-628.	6.2	15
36	Visualization of Fibroblast Activation After Myocardial Infarction Using 68Ga-FAPI PET. <i>Clinical Nuclear Medicine</i> , 2021, 46, 807-813.	1.3	39

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37	CAD-based hardware attenuation correction in PET/MRI: First methodical investigations and clinical application of a 16-channel RF breast coil. <i>Medical Physics</i> , 2021, 48, 6696-6709.	3.0	4
38	Prospective comparison of CT and 18F-FDG PET/MRI in N and M staging of primary breast cancer patients: Initial results. <i>PLoS ONE</i> , 2021, 16, e0260804.	2.5	11
39	Atypical bilateral ventilation/perfusion mismatches in an asymptomatic patient suffering from metastatic thyroid cancer. <i>European Journal of Hybrid Imaging</i> , 2021, 5, 25.	1.5	1
40	18F-FDG PET-MR enterography in predicting histological active disease using the Nancy index in ulcerative colitis: a randomized controlled trial. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 768-777.	6.4	11
41	PET/MRI Versus PET/CT for Whole-Body Staging: Results from a Single-Center Observational Study on 1,003 Sequential Examinations. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1131-1136.	5.0	57
42	Is there a connection between immunohistochemical markers and grading of lung cancer with apparent diffusion coefficient (ADC) and standardised uptake values (SUV) of hybrid 18F-FDG PET/MRI?. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2020, 64, 779-786.	1.8	0
43	18F-FDG PET/MR versus MR Alone in Whole-Body Primary Staging and Restaging of Patients with Rectal Cancer: What Is the Benefit of PET?. <i>Journal of Clinical Medicine</i> , 2020, 9, 3163.	2.4	9
44	Therapy Response Assessment of Pediatric Tumors with Whole-Body Diffusion-weighted MRI and FDG PET/MRI. <i>Radiology</i> , 2020, 296, 143-151.	7.3	28
45	Impact of 18F-FDG PET/MR on therapeutic management in high risk primary breast cancer patients – A prospective evaluation of staging algorithms. <i>European Journal of Radiology</i> , 2020, 128, 108975.	2.6	18
46	Textural analysis of hybrid DOTATOC-PET/MRI and its association with histological grading in patients with liver metastases from neuroendocrine tumors. <i>Nuclear Medicine Communications</i> , 2020, 41, 363-369.	1.1	16
47	Evaluation of improved attenuation correction in whole-body PET/MR on patients with bone metastasis using various radiotracers. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2269-2279.	6.4	9
48	Comparison of ¹⁸ F-FDG PET-MR and fecal biomarkers in the assessment of disease activity in patients with ulcerative colitis. <i>British Journal of Radiology</i> , 2020, 93, 20200167.	2.2	10
49	Assessment of Suspected Malignancy or Infection in Immunocompromised Patients After Solid Organ Transplantation by [18F]FDG PET/CT and [18F]FDG PET/MRI. <i>Nuclear Medicine and Molecular Imaging</i> , 2020, 54, 183-191.	1.0	7
50	A rapid volume of interest-based approach of radiomics analysis of breast MRI for tumor decoding and phenotyping of breast cancer. <i>PLoS ONE</i> , 2020, 15, e0234871.	2.5	33
51	Comparison of acceptance of PET/MR enterography and ileocolonoscopy in patients with inflammatory bowel diseases. <i>Clinical Imaging</i> , 2020, 64, 11-17.	1.5	5
52	Cardiac PET/MRI: Current Clinical Status and Future Perspectives. <i>Seminars in Nuclear Medicine</i> , 2020, 50, 260-269.	4.6	12
53	18F-FDG-PET/MRI in the diagnostic work-up of limbic encephalitis. <i>PLoS ONE</i> , 2020, 15, e0227906.	2.5	29
54	Radiomics Analysis of Multiparametric PET/MRI for N- and M-Staging in Patients with Primary Cervical Cancer. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2020, 192, 754-763.	1.3	13

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55	Prospective evaluation of whole-body MRI and 18F-FDG PET/MRI in N and M staging of primary breast cancer patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2816-2825.	6.4	23
56	Treatment-related changes in neuroendocrine tumors as assessed by textural features derived from 68Ga-DOTATOC PET/MRI with simultaneous acquisition of apparent diffusion coefficient. <i>BMC Cancer</i> , 2020, 20, 326.	2.6	38
57	¹⁸ F-FDG PET/MRI vs MRI in patients with recurrent adenoid cystic carcinoma. <i>Head and Neck</i> , 2019, 41, 170-176.	2.0	12
58	Prospective comparison of 18F-FDG PET/MRI and 18F-FDG PET/CT for thoracic staging of non-small cell lung cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 437-445.	6.4	44
59	Third generation dual-energy CT with 80/150 kV for head and neck tumor imaging. <i>Acta Radiologica</i> , 2019, 60, 586-592.	1.1	11
60	¹⁸ F-FDG PET/MRI for Therapy Response Assessment of Isolated Limb Perfusion in Patients with Soft-Tissue Sarcomas. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1537-1542.	5.0	19
61	Assessment of Ileocolonic Inflammation in Crohn's Disease: Which Surrogate Marker Is Better? MaRIA, Clermont, or PET/MR Index? Initial Results of a Feasibility Trial. <i>Journal of Nuclear Medicine</i> , 2019, 60, 851-857.	5.0	22
62	[18F]FDG PET/MR enterography for the assessment of inflammatory activity in Crohn's disease: comparison of different MRI and PET parameters. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1382-1393.	6.4	19
63	Simultaneous multiparametric PET/MRI for the assessment of therapeutic response to chemotherapy or concurrent chemoradiotherapy of cervical cancer patients: Preliminary results. <i>Clinical Imaging</i> , 2018, 49, 163-168.	1.5	29
64	Dual-phase hybrid ¹⁸ F-Fluoride Positron emission tomography/MRI in ankylosing spondylitis: Investigating the link between MRI bone changes, regional hyperaemia and increased osteoblastic activity. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2018, 62, 313-319.	1.8	18
65	Comparison of 18F-FDG PET/MRI and MRI for pre-therapeutic tumor staging of patients with primary cancer of the uterine cervix. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 67-76.	6.4	49
66	Comparison of 18F-FDG PET/MRI and MRI alone for whole-body staging and potential impact on therapeutic management of women with suspected recurrent pelvic cancer: a follow-up study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 622-629.	6.4	41
67	Towards fast whole-body PET/MR: Investigation of PET image quality versus reduced PET acquisition times. <i>PLoS ONE</i> , 2018, 13, e0206573.	2.5	15
68	Local and whole-body staging in patients with primary breast cancer: a comparison of one-step to two-step staging utilizing 18F-FDG-PET/MRI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 2328-2337.	6.4	28
69	Comparison of the clinical performance of upper abdominal PET/DCE-MRI with and without concurrent respiratory motion correction (MoCo). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 2147-2154.	6.4	28
70	Thoracic staging with 18F-FDG PET/MR in non-small cell lung cancer – does it change therapeutic decisions in comparison to 18F-FDG PET/CT?. <i>European Radiology</i> , 2017, 27, 681-688.	4.5	49
71	Value of ¹⁸ F-FDG PET/MRI for the outcome of CT-guided facet block therapy in cervical facet syndrome: initial results. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2017, 61, 327-333.	1.8	15
72	Evaluation of PET and MR datasets in integrated 18F-FDG PET/MRI: A comparison of different MR sequences for whole-body restaging of breast cancer patients. <i>European Journal of Radiology</i> , 2017, 89, 14-19.	2.6	28

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73	18F-FDG PET/MRI in patients suffering from lymphoma: how much MRI information is really needed?. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1005-1013.	6.4	16
74	Evaluation of 68Ga-DOTATOC PET/MRI for whole-body staging of neuroendocrine tumours in comparison with 68Ga-DOTATOC PET/CT. European Radiology, 2017, 27, 4091-4099.	4.5	66
75	Integrated 18F-FDG PET/MRI compared to MRI alone for identification of local recurrences of soft tissue sarcomas: a comparison trial. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1823-1831.	6.4	43
76	Imaging children suffering from lymphoma: an evaluation of different 18F-FDG PET/MRI protocols compared to whole-body DW-MRI. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1742-1750.	6.4	22
77	Contrast enhanced renal MR angiography at 7 Tesla: How much gadolinium do we need?. European Journal of Radiology, 2017, 86, 76-82.	2.6	7
78	Whole-body staging of female patients with recurrent pelvic malignancies: Ultra-fast 18F-FDG PET/MRI compared to 18F-FDG PET/CT and CT. PLoS ONE, 2017, 12, e0172553.	2.5	34
79	Diagnostic accuracy of 18F-FDG PET/CT and MR imaging in patients with adenoid cystic carcinoma. BMC Cancer, 2017, 17, 887.	2.6	16
80	Non-enhanced magnetic resonance imaging of the small bowel at 7 Tesla in comparison to 1.5 Tesla: First steps towards clinical application. Magnetic Resonance Imaging, 2016, 34, 668-673.	1.8	8
81	Giant Intracranial Aneurysms at 7T MRI. American Journal of Neuroradiology, 2016, 37, 636-641.	2.4	18
82	Hybrid imaging for detection of carcinoma of unknown primary: A preliminary comparison trial of whole-body PET/MRI versus PET/CT. European Journal of Radiology, 2016, 85, 1941-1947.	2.6	50
83	Comparative Performance of ¹⁸ F-FDG PET/MRI and ¹⁸ F-FDG PET/CT in Detection and Characterization of Pulmonary Lesions in 121 Oncologic Patients. Journal of Nuclear Medicine, 2016, 57, 582-586.	5.0	68
84	18F-FDG PET/MRI evaluation of retroperitoneal fibrosis: a simultaneous multiparametric approach for diagnosing active disease. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1646-1652.	6.4	16
85	Hybrid imaging of the bowel using PET/MR enterography: Feasibility and first results. European Journal of Radiology, 2016, 85, 414-421.	2.6	22
86	Evaluation of 18 F-FDG PET/MRI, 18 F-FDG PET/CT, MRI, and CT in whole-body staging of recurrent breast cancer. European Journal of Radiology, 2016, 85, 459-465.	2.6	81
87	Evaluation of the Outcome of Lung Nodules Missed on ¹⁸ F-FDG PET/MRI Compared with ¹⁸ F-FDG PET/CT in Patients with Known Malignancies. Journal of Nuclear Medicine, 2016, 57, 15-20.	5.0	67
88	Evaluation of a Fast Protocol for Staging Lymphoma Patients with Integrated PET/MRI. PLoS ONE, 2016, 11, e0157880.	2.5	37
89	Accuracy of [18F]FDG PET/MRI for the Detection of Liver Metastases. PLoS ONE, 2015, 10, e0137285.	2.5	63
90	Oncological whole-body staging in integrated 18F-FDG PET/MR: Value of different MR sequences for simultaneous PET and MR reading. European Journal of Radiology, 2015, 84, 1285-1292.	2.6	13

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91	Integrated PET/MRI for whole-body staging of patients with primary cervical cancer: preliminary results. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 1814-1824.	6.4	85
92	Implementation of FAST-PET/MRI for whole-body staging of female patients with recurrent pelvic malignancies: A comparison to PET/CT. <i>European Journal of Radiology</i> , 2015, 84, 2097-2102.	2.6	76
93	Diffuse Axonal Injury at Ultra-High Field MRI. <i>PLoS ONE</i> , 2015, 10, e0122329.	2.5	40
94	Non-Enhanced MR Imaging of Cerebral Aneurysms: 7 Tesla versus 1.5 Tesla. <i>PLoS ONE</i> , 2014, 9, e84562.	2.5	40
95	Improved Cerebral Time-of-Flight Magnetic Resonance Angiography at 7 Tesla – Feasibility Study and Preliminary Results Using Optimized Venous Saturation Pulses. <i>PLoS ONE</i> , 2014, 9, e106697.	2.5	24
96	Diagnostic Value of Diffusion-Weighted Imaging in Simultaneous ¹⁸ F-FDG PET/MR Imaging for Whole-Body Staging of Women with Pelvic Malignancies. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1930-1935.	5.0	60
97	Sequence Comparison for Non-Enhanced MRA of the Lower Extremity Arteries at 7 Tesla. <i>PLoS ONE</i> , 2014, 9, e86274.	2.5	14
98	Non-Enhanced T1-Weighted Liver Vessel Imaging at 7 Tesla. <i>PLoS ONE</i> , 2014, 9, e97465.	2.5	9
99	Dynamic Contrast-Enhanced Renal MRI at 7 Tesla. <i>Investigative Radiology</i> , 2011, 46, 425-433.	6.2	37
100	In vivo MRI of the human torso at 7 Tesla using multi-channel transmit. , 2010, , .		0